

## SEQUENCE LISTING

### (1) GENERAL INFORMATION:

#### (i) APPLICANT:

- (A) NAME: Boehringer Mannheim GmbH
- (B) STREET: Sandhoferstr. 116
- (C) CITY: Mannheim
- (E) COUNTRY: De
- (F) POSTAL CODE (ZIP): 68305
- (G) TELEPHONE: 0621 759 4348
- (H) TELEFAX: 0621 759 4457

(ii) TITLE OF INVENTION: Small Triplex Forming PNA Oligos

(iii) NUMBER OF SEQUENCES: 8

#### (iv) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
- (B) COMPUTER: IBM PC compatible
- (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)

### (2) INFORMATION FOR SEQ ID NO: 1:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

TCCAGAAGAT AC

12

### (2) INFORMATION FOR SEQ ID NO: 2:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

#### (ii) MOLECULE TYPE: other nucleic acid

- (A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

#### (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

CGTCCAGAAG ATACCG

16

### (2) INFORMATION FOR SEQ ID NO: 3:

#### (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid  
(A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

CGTGCAGAAG ATACCG

16

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 40 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid  
(A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

GCTTGTAGTC CTGCTTGAGA GAACGTGCGG GCGATTTGCC

40

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 40 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid  
(A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

GCTTGTAGTC CTGCTTGAGA TGAACGTGCG GGCGATTTGC

40

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 22 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid  
(A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

CTTGTGGTGG AAAGCTTTTG CG

22

(2) INFORMATION FOR SEQ ID NO: 7:

(i) SEQUENCE CHARACTERISTICS:  
(A) LENGTH: 22 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
  - (A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

CCTGTGGTGG AAAGCTTTTG CG

22

(2) INFORMATION FOR SEQ ID NO: 8:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
  - (A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

TGTGTGGTGG AAAGCTTTTG CG

22

(2) INFORMATION FOR SEQ ID NO: 9:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
  - (A) DESCRIPTION: /desc = "Oligodeoxyribonucleotide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CTTTTGGTGG AAAGCTTTTG CG

22